9-25-06

DOCKET NO.: ISIS-1158

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Application of:

Nielsen, et al.

Application No.: 08/319,411

Filing Date: October 6, 1994

For: Peptide Nucleic Acid Conjugates

Confirmation No.: 8648

Group Art Unit: 1631

Examiner: Michael L. Borin

EXPRESS MAIL LABEL NO: EV 817333738 US

DATE OF DEPOSIT: September 22, 2006

EVA17333734US

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

AMENDMENT, REQUEST AND PROCESSING FEE TO DELETE AND/OR ADD TO ORIGINAL ERRONEOUSLY NAMED OR NOT NAMED INVENTOR(S) IN DECLARATION - NONPROVISIONAL APPLICATION PURSUANT TO 37 CFR § 1.48(a)

This amendment and request is to correct the incorrect original naming of inventor(s) in the declaration under 37 CFR § 1.48(a) as set forth and filed on April 10, 1995.

Addition and/or Deletion of Inventor(s)

Add the following previously unnamed person(s) as inventor(s) of this application:

Rolf Henrik Berg

Delete the following previously incorrectly named inventor(s)

09/26/2006 HVUONG1 00000031 08319411 01 FC:1464

130.00 OP

Attachments

Attachments			
Attacl	ned is		·
	\boxtimes	A state	ement from
			(check items that apply)
		\boxtimes	each person being added as an inventor that the error in
			inventorship occurred without deceptive intention on his or her
			part. 37 CFR § 1.48(a)(1).
			each person being deleted as an inventor that the error in
			inventorship occurred without deceptive intention on his or her
•			part. 37 CFR § 1.48(a)(1).
•	\boxtimes		aration by each of the actual inventor(s) as required by 37 CFR § or as permitted by §§§ 1.42, 1.43, or 1.47. 37 CFR § 1.48(a)(2)).
			n assent of the assignee (if any of the original inventors executed ignment). 37 CFR § 1.48(a)(4).
Processing Fe	ee Paym	ent (37	CFR § 1.17(i))
\boxtimes	A chec	k in the	e amount of \$130.00 is attached.
		_	Deposit Account No. 23-3050 in the amount of . This sheet is plicate.
	overpa	yment	sioner is hereby authorized to charge any deficiency or credit any of the fees associated with this communication to Deposit 23-3050.

John A. Harrelson, Jr., PhD Registration No. 42,637

Woodcock Washburn LLP One Liberty Place - 46th Floor Philadelphia PA 19103

Telephone: (215) 568-3100 Facsimile: (215) 568-3439

Date: September 22, 2006

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Application of:

Confirmation No.: 8648

Nielsen, et al

Serial No.: 08/319,411

Group Art Unit: 1631

Filing Date: October 6, 1994

Examiner: Ardin H. Marschel

For: Peptide Nucleic Acid Conjugates

Assistant Commissioner for Patents Washington, D.C. 20231

STATEMENT IN SUPPORT OF PETIȚION TO CORRECT INVENTORSHIP

I, Rolf Henrik Berg, state that:

- 1. An error in inventorship exists in the above-identified patent application.
- 2. The error arose because I am an inventor of subject matter disclosed in the above-identified application but was inadvertently omitted in the declaration filed April 10, 1995.
- 3. I understand that, to correct this error, I am being added as an inventor.
- 4. This error in inventorship occurred without deceptive intention on my part.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this statement is directed.

Date: 01 Sep 2006

Rolf Henrik Berg

Aug-23-06 10:04am

10:04am From-WoodcockWashburn
DOCKET NO.: ISIS-1158

+2155683439

7-716 P.004/028 F-341 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

in

In Re Application of:

Customer No.: 32,650

Peter Eigil Nielsen; Ole Buchardt; Soren H. Sonnechsen; Jesper Lohse; Michael Egholm; Muthiah Manoharan; John Kiely; Michael Griffith; Kelly Sprankle; Rolf Henrik Berg

For: Peptide Nucleic Acid Conjugates

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a

	☑ Utility Patent	Design Patent
is sought on t	ne invention, whose title appea	rs above, the specification of which:
	is attached hereto.	
	was filed on October 6. 1	994 as Serial No. <u>08/319.411</u> .
	🔀 said application having be	een amended on <u>02/03/95; 04/03/97; 08/08/97</u>
01/28/98: 03/	18/99: 06/16/99 <mark>: 01/27/00: 06</mark> /	19/00: 05/25/01: 02/20/03: 10/30/03: 07/20/04:
12/06/04;		•

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

I admowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a-d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

Aug-28-06 10:04am From-WoodcockWashburn
DOCKET NO.: ISJS-1158

+2155683439

T-716 P.005/028 F-341 PATENT

Priority Claimed	Country	Serial Number	Date Filed
(If X'd)	PC1	EP/01219	May 22, 1992
	Denmark	986/91	May 24, 1991
	Denmark	987/91	May 24, 1991
	Denmark	510/92	April 15, 1992

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Serial Number	Date Filed	Patented/Pending/Abandoned
08/108,591	November 22, 1993	6,395,474
08/088,658	July 2, 1993	5,641,625
08/088,661	July 2, 1993	6,228,982
08/275,951	July 15, 1994	6,451,968

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Serial Number	Date Filed

I hereby appoint all the practitioners associated with Customer Number 32,650 to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith. Each practitioner associated with Customer Number 32,650 is an attorney registered before the United States Patent and Trademark Office.

32650

Aug-23-06 10:04am From-WoodcockWashburn

+2155683438

T-716 P.006/028 F-341
PATENT

Address all correspondence to:

Customer Number 32650

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name:	
Peter E. Nielsen	\mathcal{M}_{2}
Mailing Address:	Signature
Tesdorpfsvej 49 Frederiksberg DK 2000	Date of Signature: Aug 31 2006
City/State of Actual Residence:	Citizenship: Denmark
Frederiksberg Denmark	

Name:	Dorte Buchardt on behalf of Ole Buchardt
Ole Buchardt (deceased)	
Mailing Address:	Signature
Klosterrisvej 8 3100 Homback	Date of Signature:
City/State of Actual Residence: Hornback, Denmark	Citizenship: Denmark

Aug-23-06 10:04am From-WoodcockWathburn

Madison, Connecticut

+2155693439

T-716 P.007/028 F-341 PATENT

Name:	
Soren H. Sonnechsen	
Mailing Address:	Signature
Laevtoften 16	
DK2630 Taastrup, Denmark	Date of Signature:
City/State of Actual Residence:	Ciate an abine Danmark
Taastrup, Denmark	Citizenship: Denmark
Name:	".
Jesper Lohse	
Mailing Address:	Signature
Hulgardsvej 92 st. th. DK2400 Copenhagen, Denmark	Date of Signature:
City/State of Actual Residence:	Citizenship: Denmark
Copenhagen, Denmark	
Name:	
Michael Egholm	
Mailing Address:	Signature
11 Highview Road Madison, CT 06443	Date of Signature:
City/State of Actual Residence:	Citizenship: Denmark

Aug-23-06 10:04am From-WoodcockWathburn DUCKET NO.: 1815-1158

San Diego, California

+2155693439 T-716 P.008/028 F-341 PATENT

Name:	
Muthiah Manoharan	
Mailing Address:	Signature
25 Circle Drive Weston, MA 02493	Date of Signature:
City/State of Actual Residence:	Citizenship: United States of America
Weston, Massachusetts	
Name:	
John Kiely	
Mailing Address:	Signature
4230 Corre Facil	Date of Signature:
San Diego, CA 92130	Diffe of Signification
City/State of Actual Residence:	Citizenship: United States of America
San Diego, California	
Name:	
Michael Griffith	
Mailing Address:	Signature
5676 Greenshade Road San Diego, CA 92121	Unte of Signature:
City/State of Actual Residence:	Citizonship: United States of America

Aug-23-06 10:04am From-WoodcockWashburn DOCKET NO.: ISIS-1158

+2155583499 T-716 P.009/028 F-341 PATENT

Name:	
Kelly Sprankle	
Mailing Address:	Signature
1024 Gleneagles Place Vista, CA 92081	Date of Signature:
City/State of Actual Residence:	
Vista, California	Citizenship: United States of America

Name:	
Rolf Henrik Berg	
Mailing Address:	Signature
Strandvaenget 6 2960 Rungsted Kyst, Denmark	Date of Signature:
City/State of Actual Residence:	Citizenship: Denmark
2960 Rungsted Kyst, Denmark	Citizona P. C.

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Application of:

chsen;

Customer No.: 32,650

Peter Eigil Nielsen; Ole Buchardt; Soren H. Sonncchsen; Jesper Lohse; Michael Egholm; Muthiah Manoharan; John Kiely; Michael Griffith; Kelly Sprankle; Rolf Henrik Berg

For: Peptide Nucleic Acid Conjugates

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

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	Utility Patent	Design Patent
is sought on the	e invention, whose title appea	rs above, the specification of which:
	is attached hereto.	·
	was filed on October 6, 19	994 as Serial No. <u>08/319,411</u> .
	said application having be	een amended on <u>02/03/95; 04/03/97; 08/08/97</u>
01/28/98; 03/1	8/99; 06/16/99; 01/27/00; 06/	19/00; 05/25/01; 02/20/03; 10/30/03; 07/20/04;
12/06/04;		

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I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a-d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

PATENT

Priority Claimed (If X'd)	Country	Serial Number	Date Filed
\boxtimes	PCT	EP/01219	May 22, 1992
\boxtimes	Denmark	986/91	May 24, 1991
\boxtimes	Denmark	987/91	May 24, 1991
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I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

November 22, 1993	6,395,474
	0,555,474
July 2, 1993	5,641,625
July 2, 1993	6,228,982
July 15, 1994	6,451,968
	July 2, 1993

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Serial Number	Date Filed	
· · · · · · · · · · · · · · · · · · ·		

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32650 PATENT TRADEMARK OFFICE

PATENT

Address all correspondence to:

Hornback, Denmark

Customer Number 32650

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name:	
Peter E. Nielsen	
Mailing Address:	Signature
Tesdorpfsvej 49 Frederiksberg DK 2000	Date of Signature:
City/State of Actual Residence:	Citizenship: Denmark
Frederiksberg Denmark	
Name:	Dorte Buchardt on behalf of Ole Buchardt
Ole Buchardt (dcccased)	
Mailing Address:	Signature
Klosterrisvej 8	Date of Signature:
3100 Homback	
City/State of Actual Residence:	Citizenship: Denmark

Name:	
Soren H. Sonnechsen	
Mailing Address:	Signature
Loevtoften 16 DK2630 Taastrup, Denmark	Date of Signature:
City/State of Actual Residence:	Citizenship: Denmark
Taastrup, Denmark	
Name:	
Jesper Lohse	Signature Signature
Mailing Address:	Signature
Hulgardsvej 92 st. th. DK2400 Copenhagen, Denmark	Date of Signature: 0720-2006
City/State of Actual Residence:	Citizenship: Denmark
Copenhagen, Denmark	Cttizenship: Denniark
Name:	
Michael Egholm	
Mailing Address:	Signature
11 Highview Road Madison, CT 06443	Date of Signature:
City/State of Actual Residence:	
City/State of Actual Residence:	Citizenship: Denmark
Madison, Connecticut	

Name:	
Muthiah Manoharan	
Mailing Address:	Signature
25 Circle Drive	
Weston, MA 02493	Date of Signature:
City/State of Actual Residence:	Citizenship: United States of America
Weston, Massachusetts	
Name:	
John Kiely	
Mailing Address:	Signature
4230 Corte Facil	
San Diego, CA 92130	Date of Signature:
City/State of Actual Residence:	Citizenship: United States of America
San Diego, California	Ciuzensnip: Onited States of America
Name:	
Michael Griffith	
Mailing Address:	Signature
5676 Greenshade Road	
San Diego, CA 92121	Date of Signature:
City/State of Actual Residence:	Citizenship: United States of America
San Diego, California	

Name:	
Kelly Sprankle	
Mailing Address:	Signature
1024 Gleneagles Place Vista, CA 92081	Date of Signature:
City/State of Actual Residence:	Date of Signature
Vista, California	Citizenship: United States of America
Name:	
Rolf Henrik Berg	
Mailing Address:	Signature
Strandvaenget 6	
2960 Rungsted Kyst, Denmark	Date of Signature:
City/State of Actual Residence:	Citizenship: Denmark
2960 Rungsted Kyst, Denmark	Citizenship. Delmaix

09/20/2008 17:37 FAX 7808033820

ISIS PATENT DEPT

@ 002/007·

DOCKET NO.: ISIS-1158

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Application of:

Customer No.: 32,650

Peter Eigil Nielsen; Ole Buchardt; Soren H. Sonnechsen; Jesper Lohse; Michael Egholm; Muthiah Mancharan; John Kiely; Michael Griffith; Kelly Sprankle; Rolf Henrik Berg

For: Peptide Nucleic Acid Conjugates

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

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12/0 6/04: .		

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09/20/2008 17:37 FAX 7606033820

ISIS PATENT DEPT

@ 003/007·

DOCKET NO.: ISIS-1158

PATENT

Priority Claimed (If X'd)	Country	Serial Number	Date Filed
\boxtimes	PCT	EP/01219	May 22, 1992
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08/275,951	July 15, 1994	6,451,968
	-	

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32650

VO/20/2000 11.30 PAR

Name:

DOCKET NO.: ISIS-1158

PATENT

Address all correspondence to:

City/State of Actual Residence:

Homback, Denmark

Customer Number 32650

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Peter B. Nielsen	
Mailing Address:	Signature
Tesdorpfsvej 49	
Frederiksberg DK 2000	Date of Signature:
City/State of Actual Residence;	Citizenship: Denmark
Frederiksberg Denmark	
Name:	
1/#tue:	Dorte Buchardt on behalf of Ole Buchardt
Ole Buchardt (deceased)	
Mailing Address:	Signature
Klostemisvej 8 3100 Homback	Date of Signature

Date of Signature:

Citizenship: Denmark

POSCOSCO II.OD PAN IOPOPOPOCO TOTO INICII DELL

DOCKET NO.: ISIS-1158

Name:	
Soren H. Sonnechsen	
Mailing Address:	Signature
Loevtoften 16	
DK2530 Teastrup, Denmark	Date of Signature:
City/State of Actual Residence:	Citter 1 have 2
Taastrup, Denmark	Citizenship: Denmark
Name:	
Jesper Lohse	·
Mailing Address:	Signature
Hulgardsvej 92 st. th. DK2400 Copenhagen, Denmark	Date of Signature:
City/State of Actual Residence:	- Comment of the comm
Copenhagen, Denmark	Citizenship: Derunark
Name:	
Michael Egholm	
Mailing Address:	Signature
11 Highview Road Madison, CT 05443	Dats of Signature:
Aty/State of Actual Residence:	
Addison, Connecticut	Citizenship: Denmark

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TOTO LUIEN! NEL!

www.

DOCKET NO.: 1818-1158

Nama:	
Muthiah Manoharan	
Mailing Address:	Signature
25 Circle Drive	
Weston, MA 02493	Date of Signature;
City/State of Actual Residence:	
Weston, Massachusetts	Citizenship: United States of America
	·
Name;	
John Kiely	
Mailing Address:	Signature
16790 Chirco Drive Los Gatos, CA 95032	Date of Signature;
City/State of Actual Residence:	Citizenship: United States of America
Los Gatos, California	Officer States of America
	·
Name:	
Michael Griffith	Dignature: 9/20/06
Mailing Address:	Signature
4997 Willow Ridge Court	
Zionsville, IN 46077	Date of Signature: 9/20/06
City/State of Actual Residence:	
Zionsville, IN	Citizenship: United States of America

09/20/2006 17:38 FAX 7608033820 ISIS PATENT DEPT

Ø 007/007

DOCKET NO.: ISIS-1158

Name:	
Kelly Sprankle	
Mailing Address:	Signature
1024 Gleneagles Place Vista, CA 92081 City/State of Actual Residence:	Date of Signature:
Vista, California	Citizenship: United States of America
Name:	
Rolf Henrik Berg	
Mailing Address:	Signature
Strandvaeriget 6 2960 Rungsted Kyst, Denmark	Date of Signature:
City/State of Actual Residence:	Citizenship: Denmark
2960 Rungsted Kyst, Denmark	



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ke Application of:

Customer No.: 32,650

Peter Eigil Nielsen; Ole Buchardt; Soren H. Sonnechsen; Jesper Lohse; Michael Egholm; Muthiah Manoharan; John Kiely; Michael Griffith; Kelly Sprankle; Rolf Henrik Berg

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is sought on the	invention, whose title appear	rs above, the specification of which:
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01/28/98; 03/18	/99; 06/16/99; 01/27/00; 06/1	19/00; 05/25/01; 02/20/03; 10/30/03; 07/20/04
12/06/04: .		

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32650
PATENT TRADEMARK OFFICE

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Name:	
Peter E. Nielsen	
Mailing Address:	Signature
Tesdorpfsvej 49 Frederiksberg DK 2000	Date of Signature:
City/State of Actual Residence:	Citizenship: Denmark
Frederiksberg Denmark	
Name:	Dorte Buchardt on behalf of Ole Buchardt
Ole Buchardt (deceased)	
Mailing Address:	Signature
Klosterrisvej 8 3100 Hornback	Date of Signature:
City/State of Actual Residence: Hornback, Denmark	Citizenship: Denmark

Name:	
Soren H. Sonnechsen	
Mailing Address:	Signature
Loevtoften 16 DK2630 Taastrup, Denmark	Date of Signature:
City/State of Actual Residence:	
Taastrup, Denmark	Citizenship: Denmark
Name:	
Jesper Lohse	
Mailing Address:	Signature
Hulgardsvej 92 st. th. DK2400 Copenhagen, Denmark	Date of Signature:
City/State of Actual Residence: Copenhagen, Denmark	Citizenship: Denmark
Name:	
Michael Egholm	
Mailing Address:	Signature
11 Highview Road Madison, CT 06443	Date of Signature:
City/State of Actual Residence:	
Madison, Connecticut	Citizenship: Denmark

Name:	
Muthiah Manoharan	
Mailing Address:	Signature
25 Circle Drive Weston, MA 02493	Date of Signature:
City/State of Actual Residence:	Citizenshine I Inited States of America
Weston, Massachusetts	Citizenship: United States of America
Name:	·
John Kiely	
Mailing Address:	Signature
4230 Corte Facil San Diego, CA 92130	Date of Signature:
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San Diego, California	Chizenship. Officed States of America
	· ·
Name:	
Michael Griffith	
Mailing Address:	Signature
5676 Greenshade Road	D 4 . 65:
San Diego, CA 92121	Date of Signature:
City/State of Actual Residence:	Citizenship: United States of America
San Diego, California	

Name:	
Kelly Sprankle	Lely Smankl
Mailing Address:	Signature
1024 Gleneagles Place	0 00 01
Vista, CA 92081	Date of Signature: <u>8・29-06</u>
City/State of Actual Residence:	
Vista, California	Citizenship: United States of America

Name:	
Rolf Henrik Berg	
Mailing Address:	Signature
Strandvaenget 6 2960 Rungsted Kyst, Denmark	Date of Signature:
City/State of Actual Residence:	Citizenship: Denmark
2960 Rungsted Kyst, Denmark	Citizenship. Denniark

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In R Application of:

Customer No.: 32,650

Peter Eigil Nielsen; Ole Buchardt; Soren H. Sonnechsen; Jesper Lohse; Michael Egholm; Muthiah Manoharan; John Kiely; Michael Griffith; Kelly Sprankle; Rolf Henrik Berg

For: Peptide Nucleic Acid Conjugates

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Frederiksberg Denmark	
Name:	Dorte Buchardt on behalf of Ole Buchardt
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Citizenship: Denmark	
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Citizenship: Denmark	
Signature	
Date of Signature:	
Giri-andia Barradi	
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Name:	2 1
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John Kiely	I DIOL
Mailing Address	Signature
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16790 Chirco Drive	0/20/27
Los Gatos, CA 95032	Date of Signature: $09/09/6$
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Customer No.: 32,650

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Mailing Address:	Signature
Tesdorpfsvej 49 Frederiksberg DK 2000	Date of Signature:
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Frederiksberg Denmark	
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Ole Buchardt (deceased)	
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Division Taastrup, Deminark	Date of Signature.
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Taastrun Danmark	Citizenship: Denmark
Taastrup, Denmark	
Name:	
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Jesper Lohse	
Mailing Address:	Signature
Training Tradition	
Hulgardsvej 92 st. th.	D
DK2400 Copenhagen, Denmark	Date of Signature:
City/State of Actual Residence:	
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Copenhagen, Denmark	
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Name:	
Michael Egholm	
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11 Highview Road	Majila.
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1.1. Indiana, Colineania	

DOCKET NO.: ISIS-1158

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PATENT

Name:	
Muthiah Manoharan	
Mailing Address:	Signature
25 Circle Drive Weston, MA 02493	Date of Signature:
City/State of Actual Residence:	
Weston, Massachusetts	Citizenship: United States of America
Name:	
John Kiely	
Mailing Address:	Signature
4230 Corte Facil San Diego, CA 92130	Date of Signature:
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Name:	
Name.	
Kelly Sprankle	
Tiony Spraintie	
Mailing Address:	Signature
1024 Gleneagles Place	
Vista, CA 92081	Date of Signature:
City/State of Actual Residence:	
Vista, California	Citizenship: United States of America
Name:	
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Rom Helmik Berg	
Mailing Address:	Signature
Strandvaenget 6	
2960 Rungsted Kyst, Denmark	Date of Signature:
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2960 Rungsted Kyst, Denmark	

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In Re Application of:

Customer No.: 32,650

Peter Eigil Nielsen; Ole Buchardt; Soren H. Sonnechsen; Jesper Lohse; Michael Egholm; Muthiah Manoharan; John Kiely; Michael Griffith; Kelly Sprankle; Rolf Henrik Berg

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Name:	
Rolf Henrik Berg	RMR
Mailing Address:	Signature

Date of Signature: 01 Sep 2006

Citizenship: Denmark



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Re Application of:

Customer No.: 32,650

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is sought on the	ne invention, whose title appea	ars above, the specification of which:
	is attached hereto.	
	was filed on October 6, 1	994 as Serial No. <u>08/319,411</u> .
	⊠ said application having be	een amended on <u>02/03/95; 04/03/97; 08/08/97</u>
01/28/98; 03/	18/99; 06/16/99; 01/27/00; 06/	19/00; 05/25/01; 02/20/03; 10/30/03; 07/20/04;
12/06/04;		

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a-d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

Priority Claimed (If X'd)	Country	Serial Number	Date Filed
	PCT	EP/01219	May 22, 1992
	Denmark	986/91	May 24, 1991
\boxtimes	Denmark	987/91	May 24, 1991
\boxtimes	Denmark	510/92	April 15, 1992

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Serial Number	Date Filed	Patented/Pending/Abandoned
08/108,591	November 22, 1993	6,395,474
08/088,658	July 2, 1993	5,641,625
08/088,661	July 2, 1993	6,228,982
08/275,951	July 15, 1994	6,451,968

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Serial Number	Date Filed

I hereby appoint all the practitioners associated with Customer Number 32,650 to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith. Each practitioner associated with Customer Number 32,650 is an attorney registered before the United States Patent and Trademark Office.

32650 PATENT TRADEMARK OFFICE

Address all correspondence to:

Customer Number 32650

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name:	
Peter E. Nielsen	
Mailing Address:	Signature
Tesdorpfsvej 49 Frederiksberg DK 2000	Date of Signature:
City/State of Actual Residence:	Citizenship: Denmark
Frederiksberg Denmark	
Name:	Dorte Buchardt on behalf of Ole Buchardt
Ole Buchardt (deceased)	
Mailing Address:	Signature
Klosterrisvej 8	
3100 Hornback	Date of Signature:
City/State of Actual Residence:	
Hornback, Denmark	Citizenship: Denmark

Name:	
Soren H. Sonnechsen	
Mailing Address:	Signature
Loevtoften 16	
DK2630 Taastrup, Denmark	Date of Signature:
1,	
City/State of Actual Residence:	
City, State of Metalli Residence.	Citizenship: Denmark
Taastrup, Denmark	
Taastrup, Delimark	
Name:	
Jesper Lohse	
	·
Mailing Address:	Signature
•	
Hulgardsvej 92 st. th.	
DK2400 Copenhagen, Denmark	Date of Signature:
DIE 100 Copellina Seni, Denimark	
City/State of Actual Residence:	
City/State of Actual Residence.	Citizenship: Denmark
C11-	Citizenship. Delimark
Copenhagen, Denmark	
Name:	
	·
Michael Egholm	
Mailing Address:	Signature
11 Highview Road	
Madison, CT 06443	Date of Signature:
2.200.001, 01, 00, 10	
City/State of Actual Residence:	
Chyistate of Actual Residence.	Citizenship: Denmark
Madian Connections	Citizonship. Dominark
Madison, Connecticut	

Name:	
Muthiah Manoharan	Anutaigh Meshern Signature
Mailing Address:	Signature
25 Circle Drive 19 ROLLING LANGE Weston, MA 02493	Date of Signature: Augus 25, 20th
City/State of Actual Residence:	
Weston, Massachusetts	Citizenship: United States of America
Name:	
John Kiely	
Mailing Address:	Signature
4230 Corte Facil San Diego, CA 92130	Date of Signature:
City/State of Actual Residence:	
City/State of Actual Residence.	Citizenship: United States of America
San Diego, California	Citizenship. Cintod States of Famerica
Name:	
Michael Griffith	
Mailing Address:	Signature
5676 Greenshade Road San Diego, CA 92121	Date of Signature:
City/State of Actual Residence:	
San Diego, California	Citizenship: United States of America

Name:	
Kelly Sprankle	
Mailing Address:	Signature
1024 Gleneagles Place Vista, CA 92081	Date of Signature:
City/State of Actual Residence:	
Vista, California	Citizenship: United States of America
Name:	
Rolf Henrik Berg	
Mailing Address:	Signature
Strandvaenget 6	
2960 Rungsted Kyst, Denmark	Date of Signature:
City/State of Actual Residence:	Citizanshine Danmark
2960 Rungsted Kyst, Denmark	Citizenship: Denmark



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Customer No.: 32,650

Peter Eigil Nielsen; Ole Buchardt; Soren H. Sonnechsen; Jesper Lohse; Michael Egholm; Muthiah Manoharan; John Kiely; Michael Griffith; Kelly Sprankle; Rolf Henrik Berg

For: Peptide Nucleic Acid Conjugates

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a

	Utility Patent	Design Patent
is sought on t	he invention, whose title appea	ars above, the specification of which:
	is attached hereto.	
	was filed on October 6, 1	994 as Serial No. <u>08/319,411</u> .
	⊠ said application having be	een amended on <u>02/03/95; 04/03/97; 08/08/97</u>
01/28/98; 03/	18/99; 06/16/99; 01/27/00; 06/	19/00; 05/25/01; 02/20/03; 10/30/03; 07/20/04
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32650 PATENT TRADEMARK OFFICE

Address all correspondence to:

Klosterrisvej 8 3100 Hornback

Hornback, Denmark

City/State of Actual Residence:

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Peter E. Nielsen	
Mailing Address:	Signature
Tesdorpfsvej 49 Frederiksberg DK 2000	Date of Signature:
City/State of Actual Residence:	Citizenship: Denmark
Frederiksberg Denmark	
Name:	Dorte Buchardt on behalf of Ole Buchardt
Ole Buchardt (deceased)	
Mailing Address:	Signature

Date of Signature: __

Citizenship: Denmark

Name:	·
Soren H. Sonnechsen	50l R=
Mailing Address:	Signature
Loevtoften 16 DK2630 Taastrup, Denmark	Date of Signature: 3/4-06
City/State of Actual Residence:	
Taastrup, Denmark	Citizenship: Denmark
Name:	
Jesper Lohse	
Mailing Address:	Signature
Hulgardsvej 92 st. th. DK2400 Copenhagen, Denmark	Date of Signature:
City/State of Actual Residence: Copenhagen, Denmark	Citizenship: Denmark
Name:	
Michael Egholm	
Mailing Address:	Signature
11 Highview Road Madison, CT 06443	Date of Signature:
City/State of Actual Residence:	C'a'
Madison, Connecticut	Citizenship: Denmark

PATENT

Name:	
Muthiah Manoharan	
Mailing Address:	Signature
25 Circle Drive Weston, MA 02493	Date of Signature:
City/State of Actual Residence:	
Weston, Massachusetts	Citizenship: United States of America
-	
Name:	
John Kiely	
Mailing Address:	Signature
4230 Corte Facil	
San Diego, CA 92130	Date of Signature:
City/State of Actual Residence:	
San Diego, California	Citizenship: United States of America
Name:	•
Michael Griffith	
Mailing Address:	Signature
5676 Greenshade Road San Diego, CA 92121	Date of Signature:
City/State of Actual Residence:	
San Diego, California	Citizenship: United States of America

DOCKET NO.: ISIS-1158

PATENT

Name:	
Kelly Sprankle	
Mailing Address:	Signature
1024 Gleneagles Place	
Vista, CA 92081	Date of Signature:
City/State of Actual Residence:	
Vista, California	Citizenship: United States of America
Name:	
Rolf Henrik Berg	
Mailing Address:	Signature
Strandvaenget 6	
2960 Rungsted Kyst, Denmark	Date of Signature:
2500 Rungstod Ryst, Dominark	Date of Signature.
City/State of Actual Residence:	Citizenship: Denmark
2960 Rungsted Kyst, Denmark	Dimini.
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